

## **ABSTRACT**

*Until now, Bulungan governments don't have data spread of potential coal deposit especially in Bunyu sub-district, so need exploration coal resources. The result is expected become reference Bulungan governments to attract investor for operate the potential resources in Bunyu sub-district, Bulungan district in optimal and accordance with its function.*

*Exploration committed while research, found some 7 outcrop data which distributed in 3 sub-district, that is: west Bunyu sub-district, east Bunyu sub-district and south Bunyu sub-district. From 7 outcrop data can divided into 4 blocks.*

*Analysis calculation of potential coal resources use regional influence methods. Research activities included into prospecting activities. Accord to National Standards of Indonesia, 1<sup>st</sup> amendment SNI 13-5014-1998, Resources in areas included into Inferred resources classification. So that calculations of potential resources used regional influence with distance between 1000 - 1500 m from point of information (point of outcrop), results of data resources analysis obtained number of potential is 86.637.239 tons and divided bloks. Blok 1 is 30.598.427 tons, blok 2 is 9.189.168 tons, blok 3 is 4.594.579 tons and blok 4 is 42.255.075 tons.*

*The results of potential resource analysis calculation in research area, can calculated coal resources based on depth. At depth 0 - 100 meters is 62.750.672 tons with range of stripping ratio 4,71 – 30,09, While at depth 100 - 200 meters infected coal resources of 23.192.136,90 tons.*